

NAEP 2007

Mathematics Results Arizona

Carrie L. Giovannone, M.Ed.
Arizona NAEP Coordinator
Carrie.Giovannone@azed.gov
602-542-5031

Grade 4 Mathematics

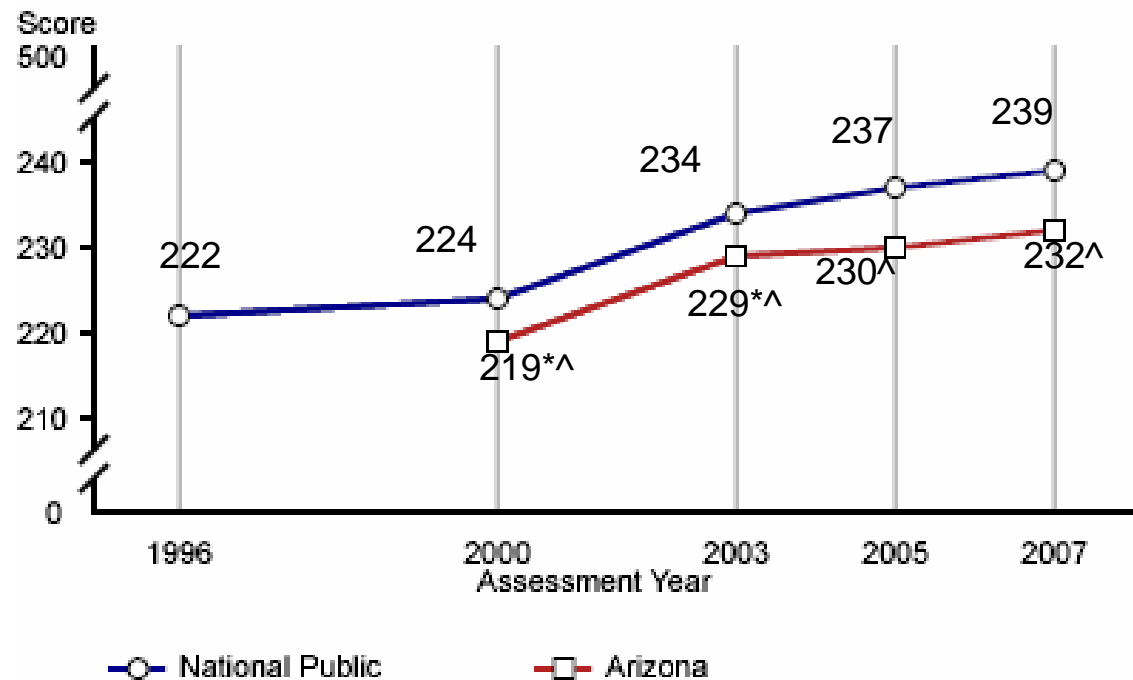
Significant Increase in Average Scale Score since 2003!!

Average Scale Score

Arizona Grade 4 students scored significantly higher than in 2000 and 2003; but score significantly lower than the nation across time.

^ Indicates significantly different from the Nation

* Indicates significantly different from AZ 2007



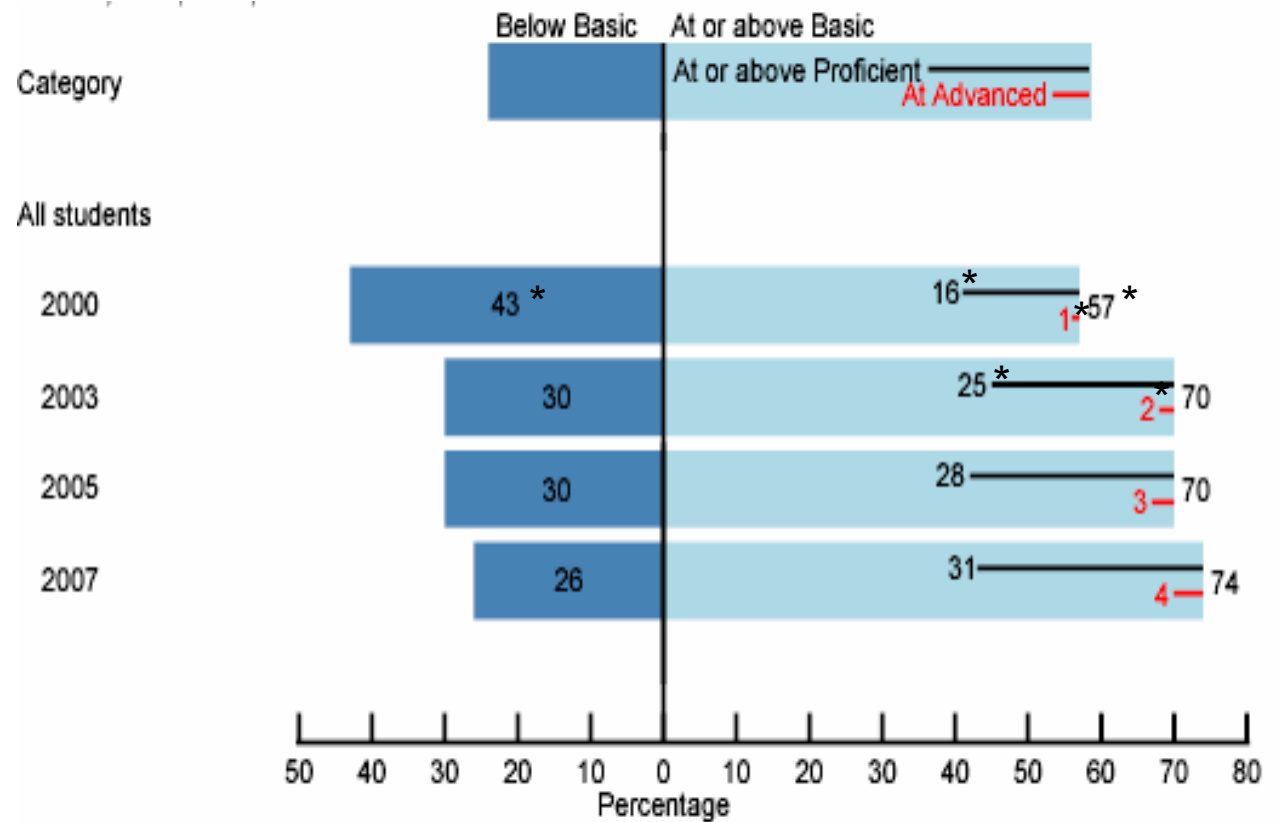
Scale 0-500

Grade 4 Mathematics

Achievement Levels

The percentage of Arizona Grade 4 students in all achievement levels has shown an upward shift since 2000 and in the *At or Above Proficient* and *Advanced* achievement levels since 2003!

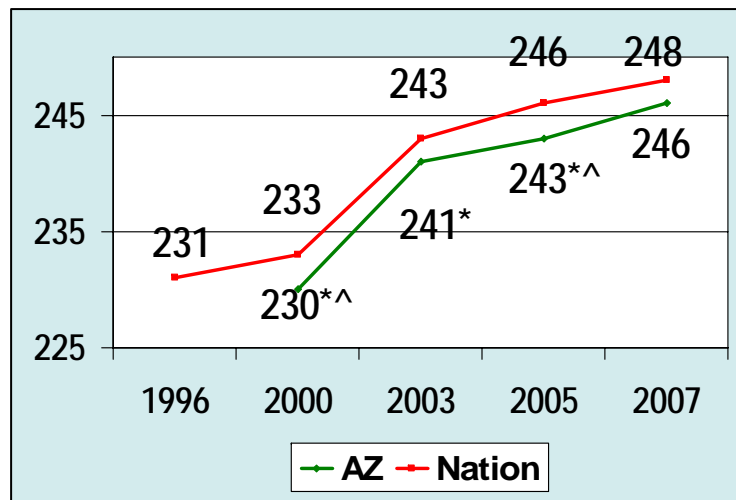
^ Indicates significantly different from the Nation
 * Indicates significantly different from AZ 2007



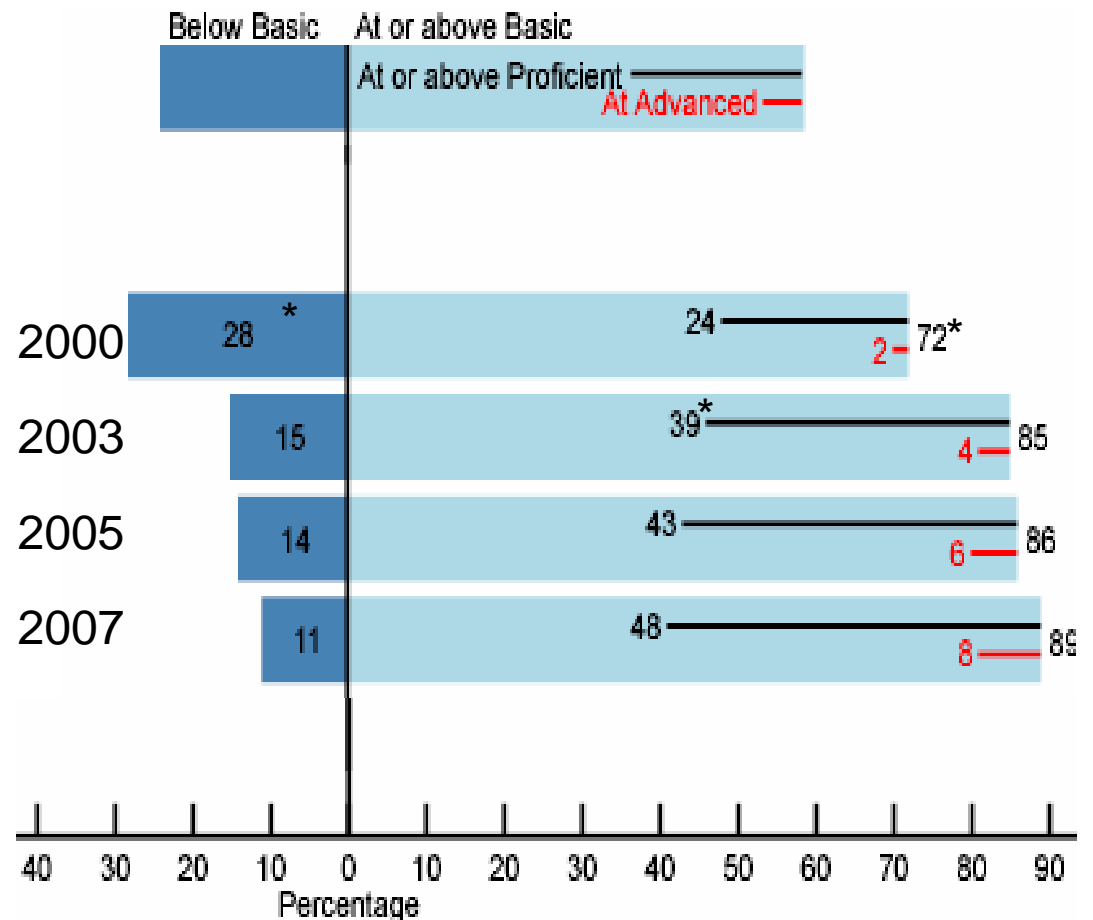
Scale 0-500

Grade 4 Mathematics - White

Arizona White students showed a significant upward shift in the *Below Basic* and *At or Above Basic* achievement levels since 2000 and significantly higher in the *At or Above Proficient* achievement level than 2003. In addition, White students scored significantly higher than in 2005 and relatively the same as the national average.

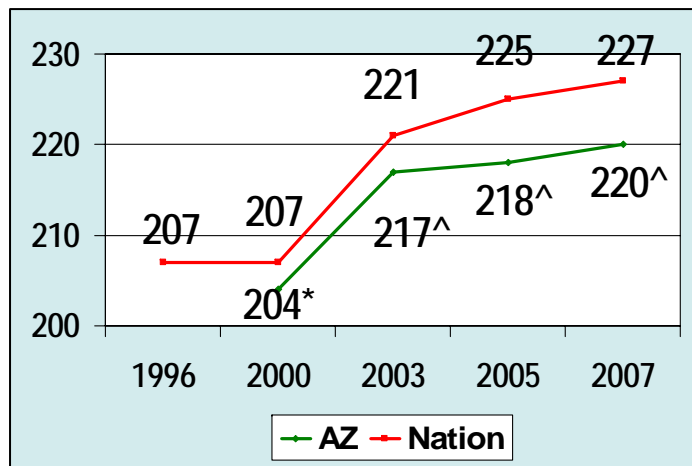


^ Indicates significantly different from the Nation
 * Indicates significantly different from AZ 2007

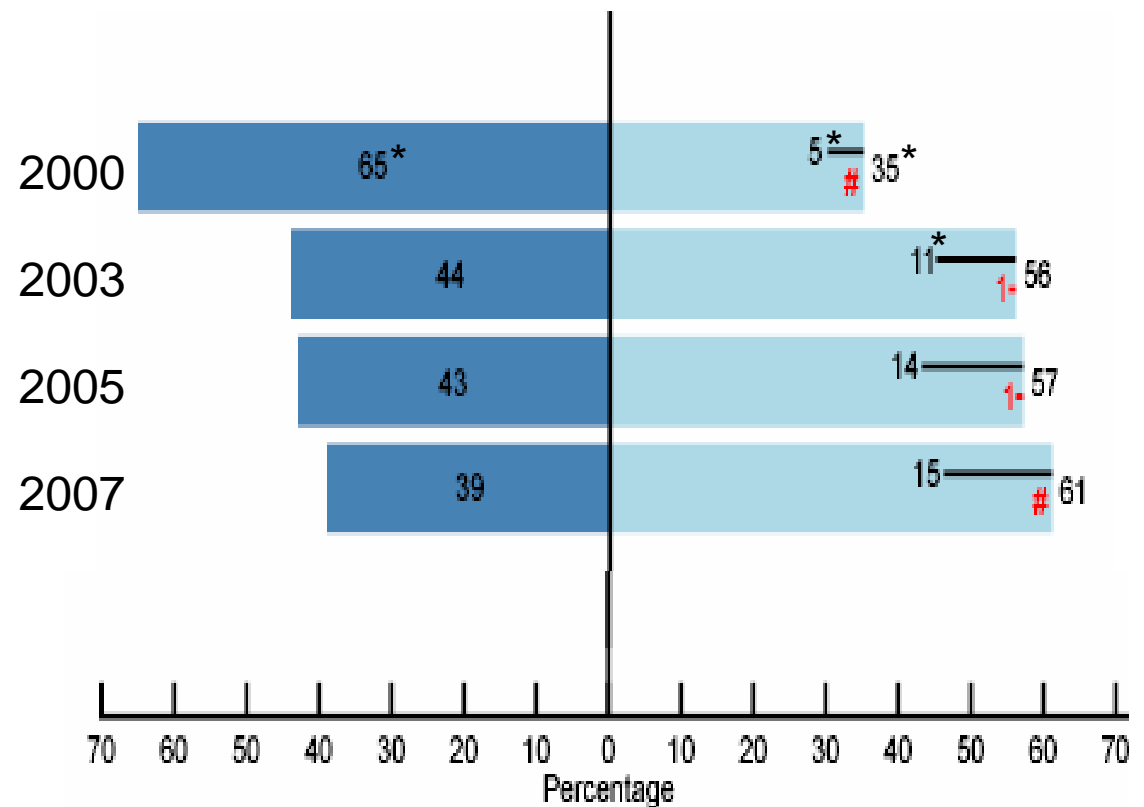


Grade 4 Mathematics - Hispanic

Arizona Hispanic students scored significantly higher than in 2000 and showed a significant upward shift in the *At or Above Proficient* achievement level than 2003.

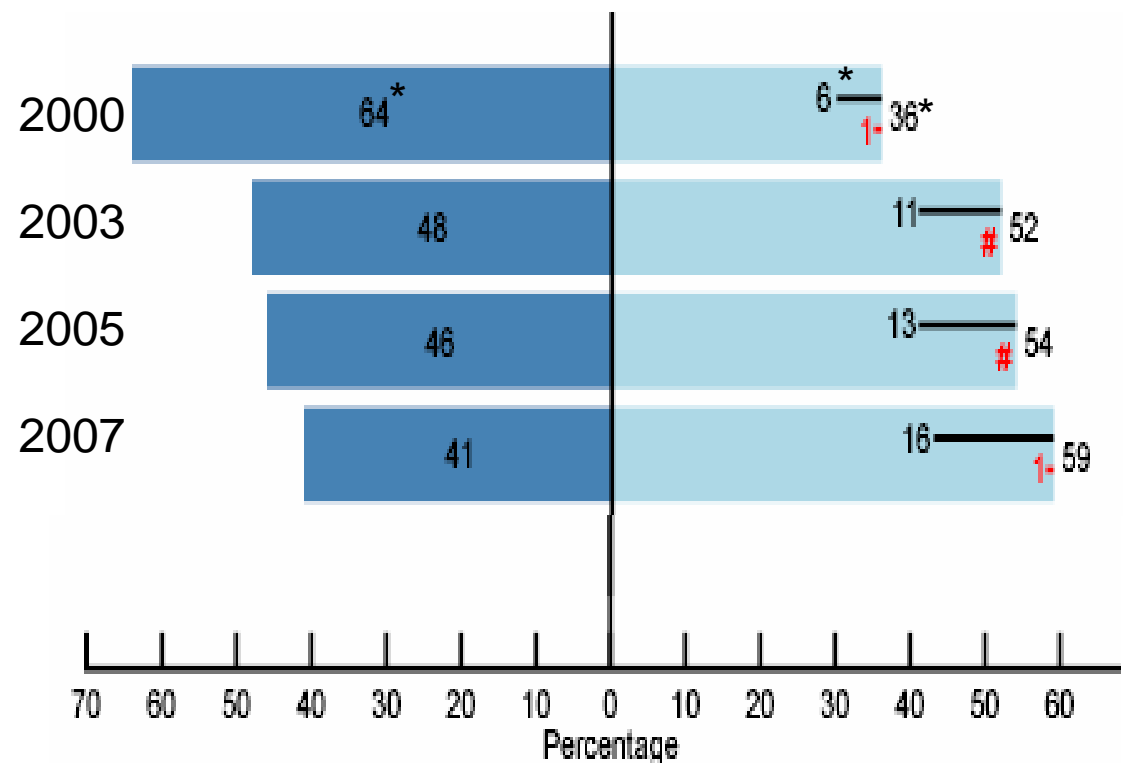
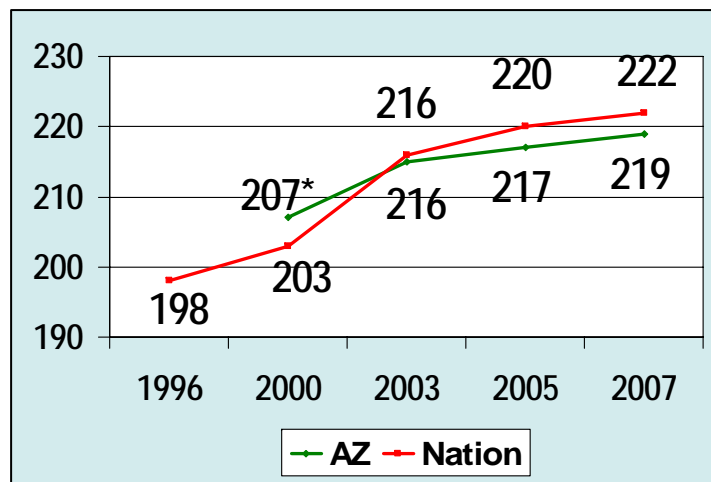


^ Indicates significantly different from the Nation
 * Indicates significantly different from AZ 2007



Grade 4 Mathematics – African American

Arizona African American students scored significantly higher than in 2000 and also showed a significant upward shift in the *Below Basic*, *At or Above Basic*, and *At or Above Proficient* achievement levels.

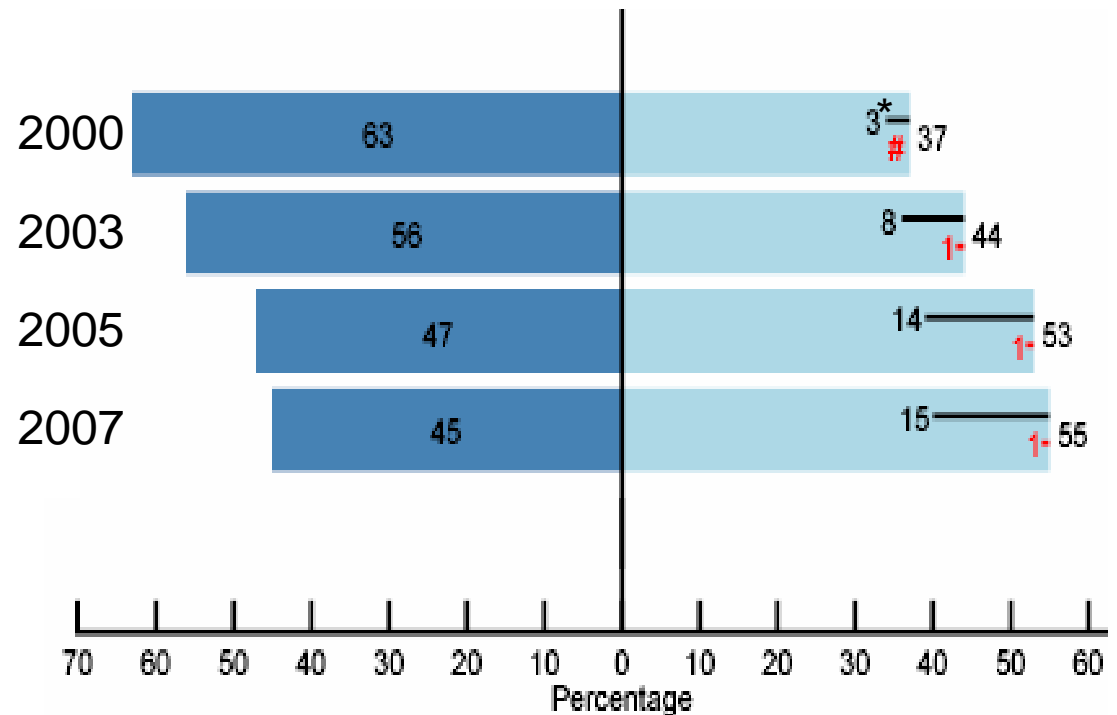
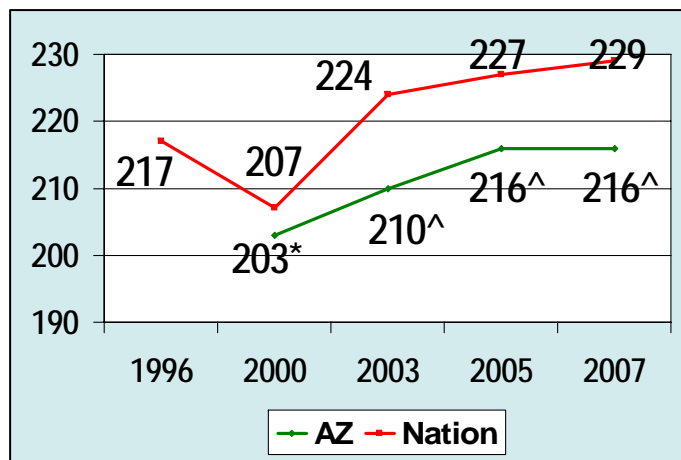


^ Indicates significantly different from the Nation

* Indicates significantly different from AZ 2007

Grade 4 Mathematics – Native American

Arizona Native American students scored significantly higher than in 2000 and showed a significant upward shift in the *At or Above Proficient* achievement level.



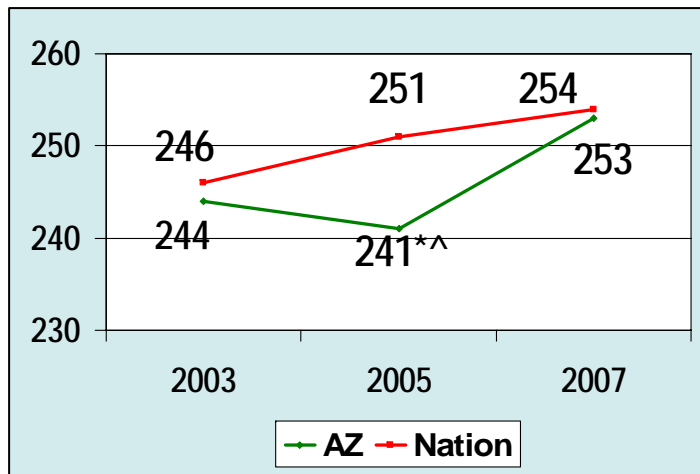
^ Indicates significantly different from the Nation

• Indicates significantly different from AZ 2007

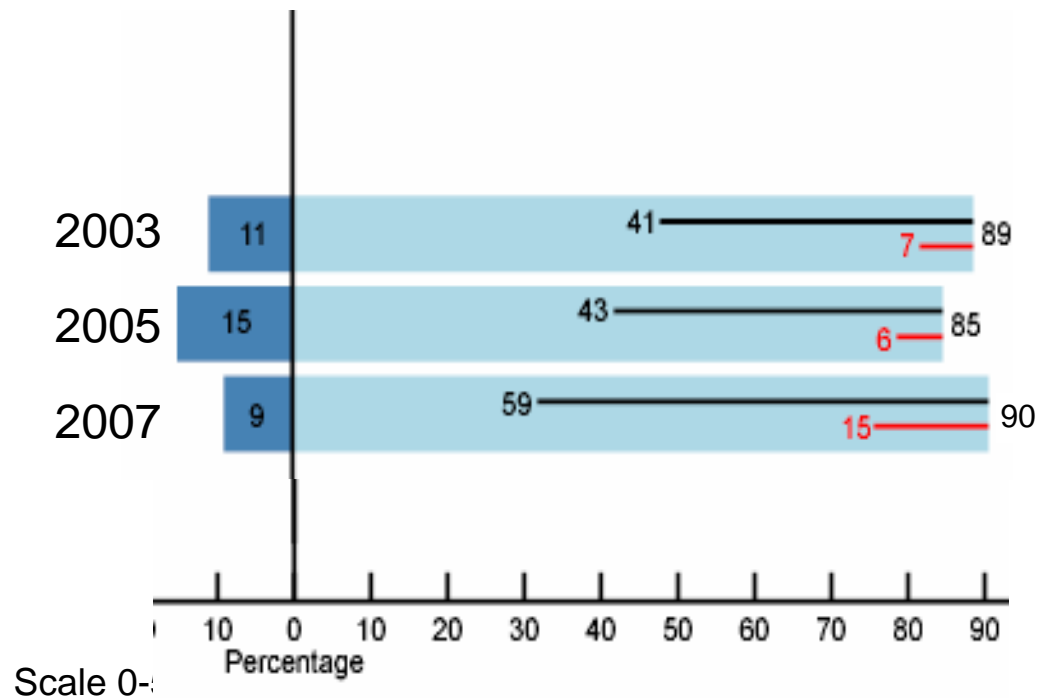
Indicates “rounds to zero”

Grade 4 Mathematics - Asian

The Arizona Asian students scored significantly higher than in 2005. The percentage of Arizona Asian students in all achievement levels remains stable since 2003.



^ Indicates significantly different from the Nation
 * Indicates significantly different from AZ 2007



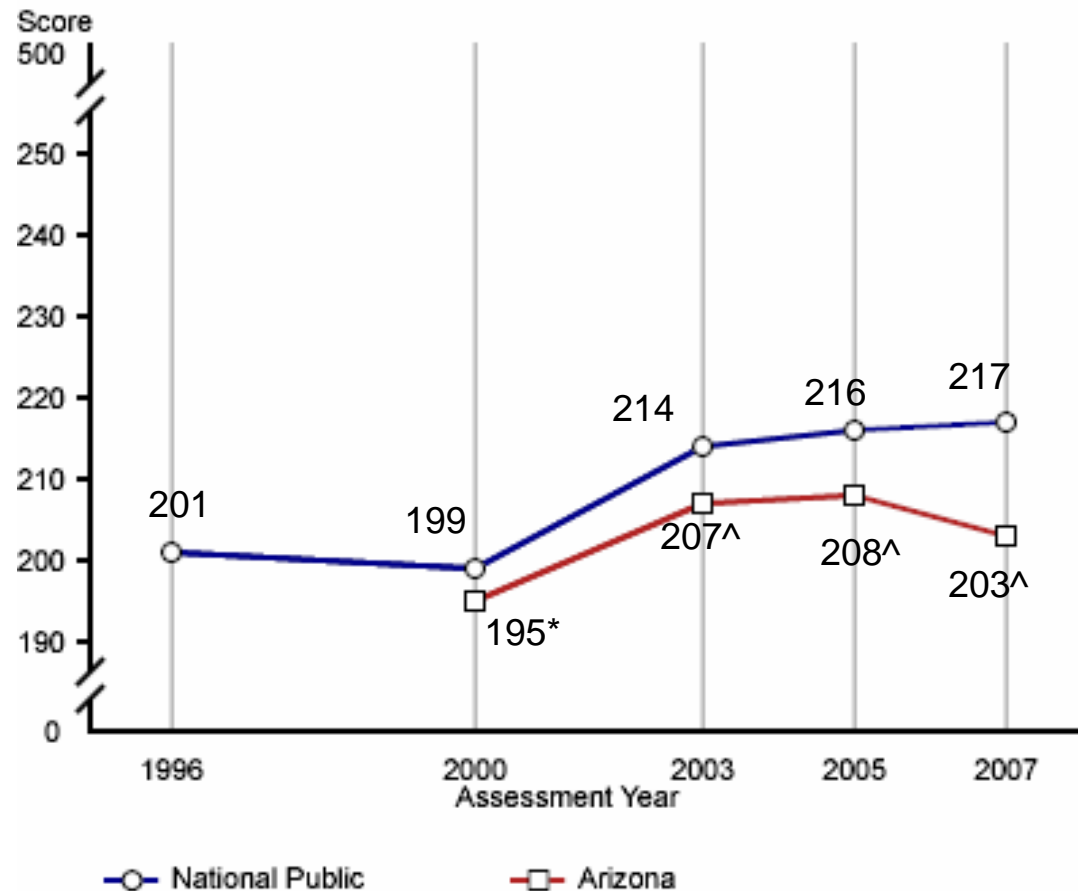
Grade 4 Mathematics - ELL

Average Scale Score

Arizona ELL students scored significantly higher than in 2000; relatively the same from 2003 and 2005; and significantly lower than the Nation since 2003.

^ Indicates significantly different from the Nation

* Indicates significantly different from AZ 2007



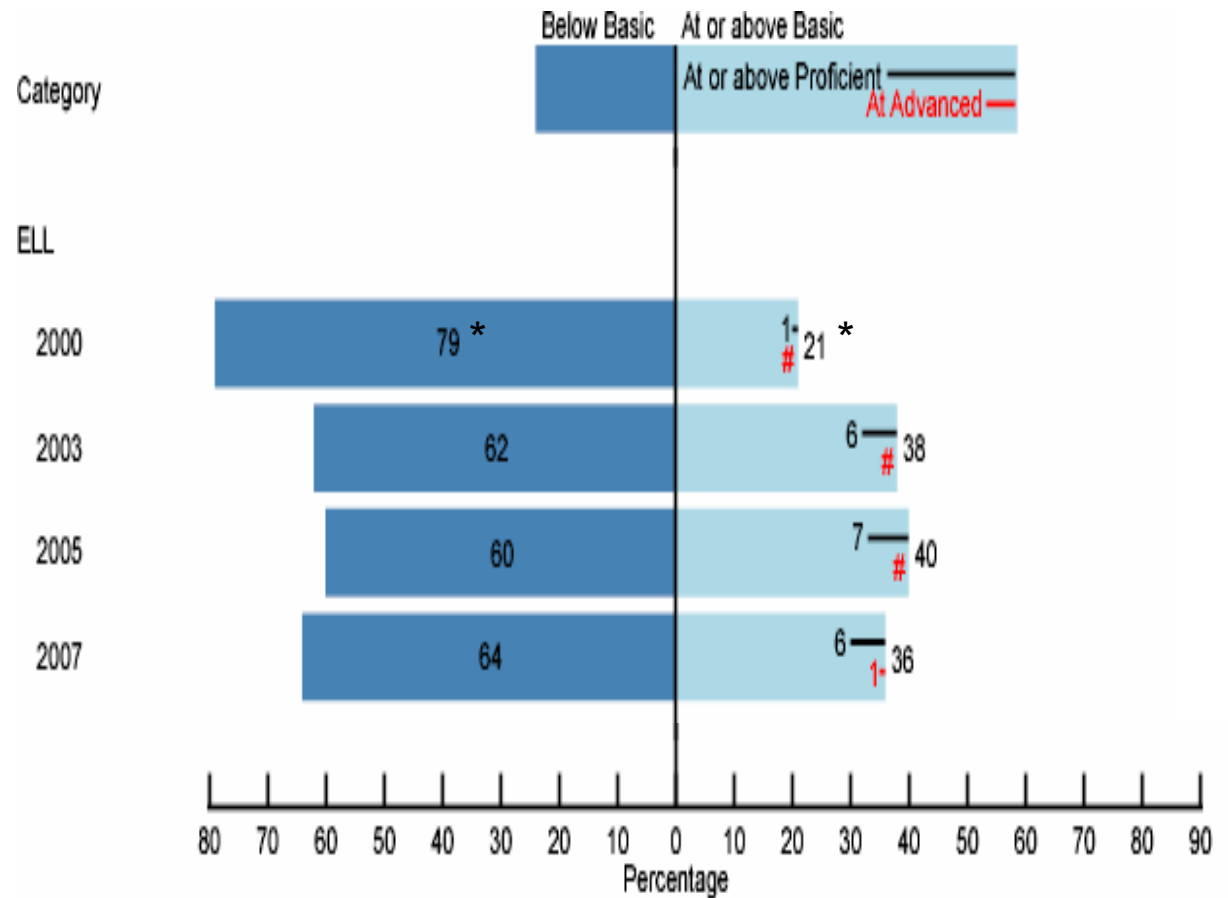
Scale 0-500

Grade 4 Mathematics - ELL

Achievement Levels

In 2007, Arizona Grade 4 ELL students showed a significant upward shift in the *Below Basic* and *At or Above Basic* achievement levels than 2000.

^ Indicates significantly different from the Nation
 * Indicates significantly different from AZ 2007



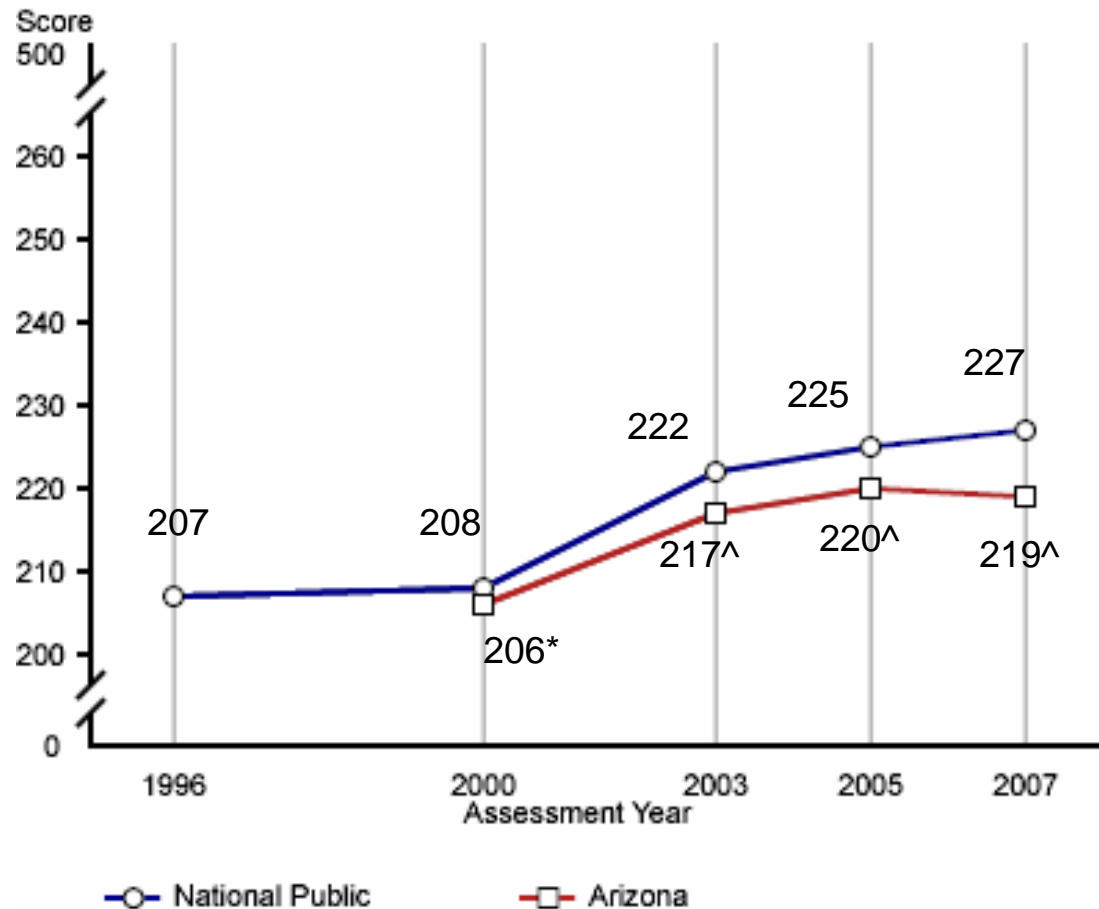
Grade 4 Mathematics – Low SES

Average Scale Score

Arizona's Grade 4 students that are eligible for School Lunch Program scored significantly higher than in 2000; relatively the same in 2003 and 2005; and significantly lower than the Nation since 2003.

^ Indicates significantly different from the Nation

* Indicates significantly different from AZ 2007



Scale 0-500

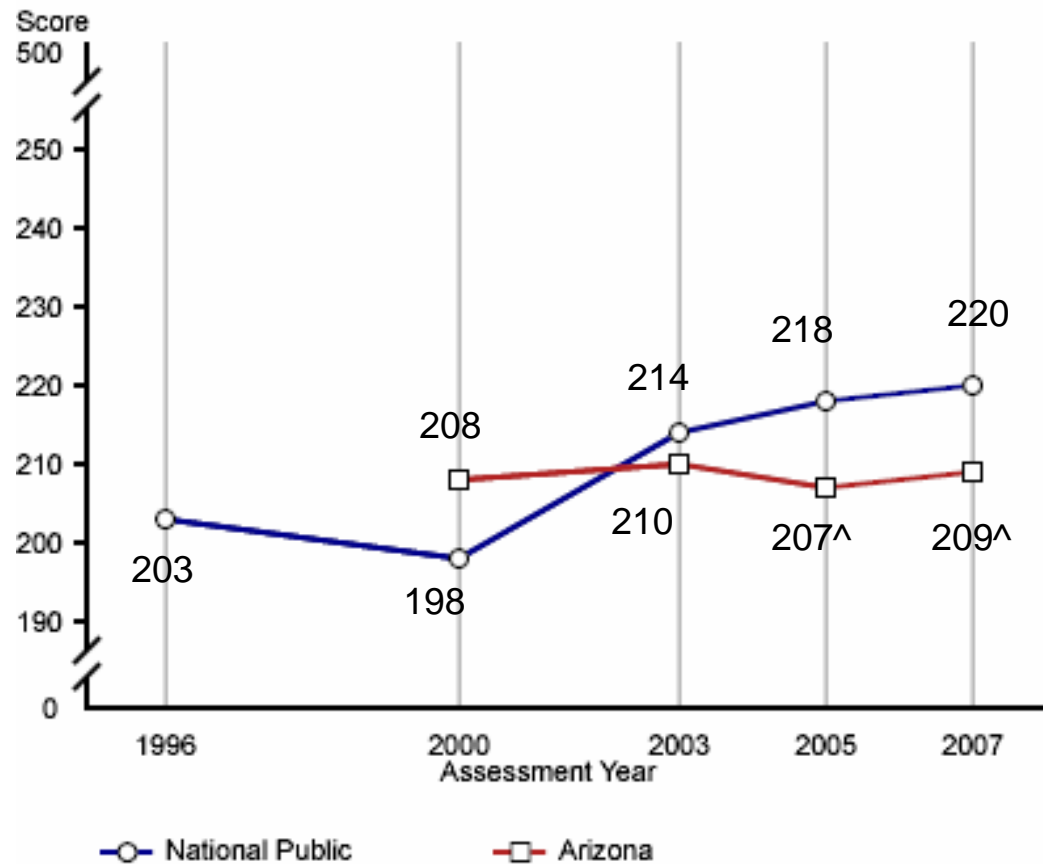
Grade 4 Mathematics – Students with Disabilities

Average Scale Score

Arizona's Grade 4 students with disabilities scored relatively the same since 2000 but significantly lower than the Nation since 2005.

^ Indicates significantly different from the Nation

* Indicates significantly different from AZ 2007



Scale 0-500

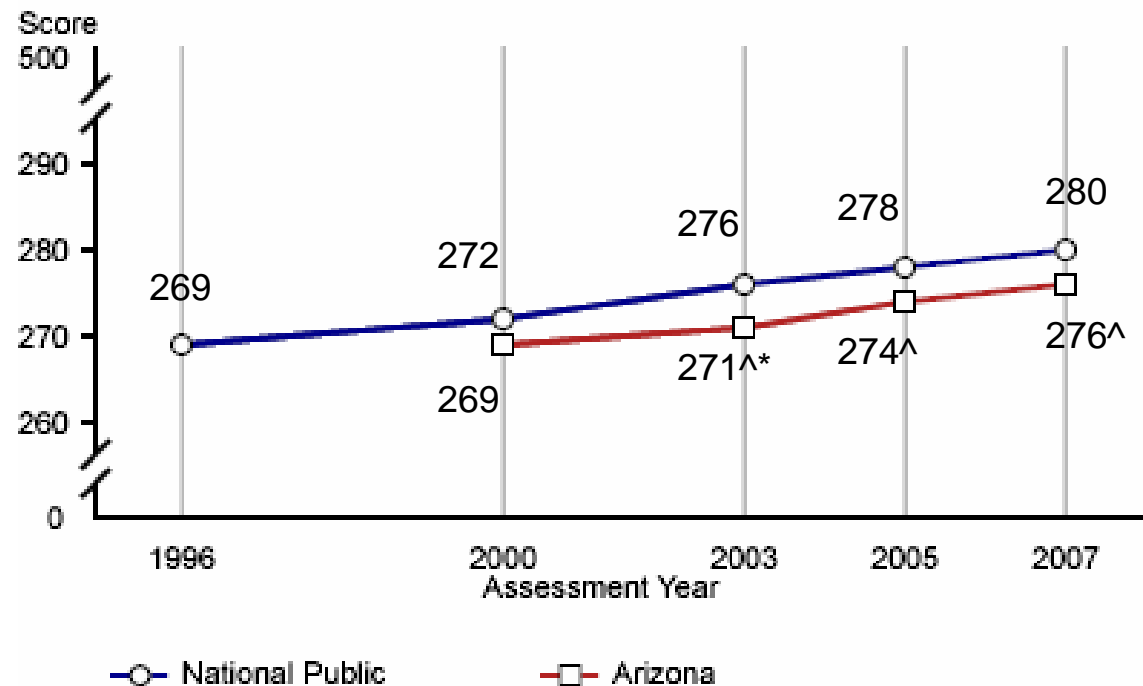
Grade 8 Mathematics

Average Scale Score

Arizona's Grade 8 students scored significantly higher than in 2003 but scored significantly lower than the Nation since 2003.

^ Indicates significantly different from the Nation

* Indicates significantly different from AZ 2007

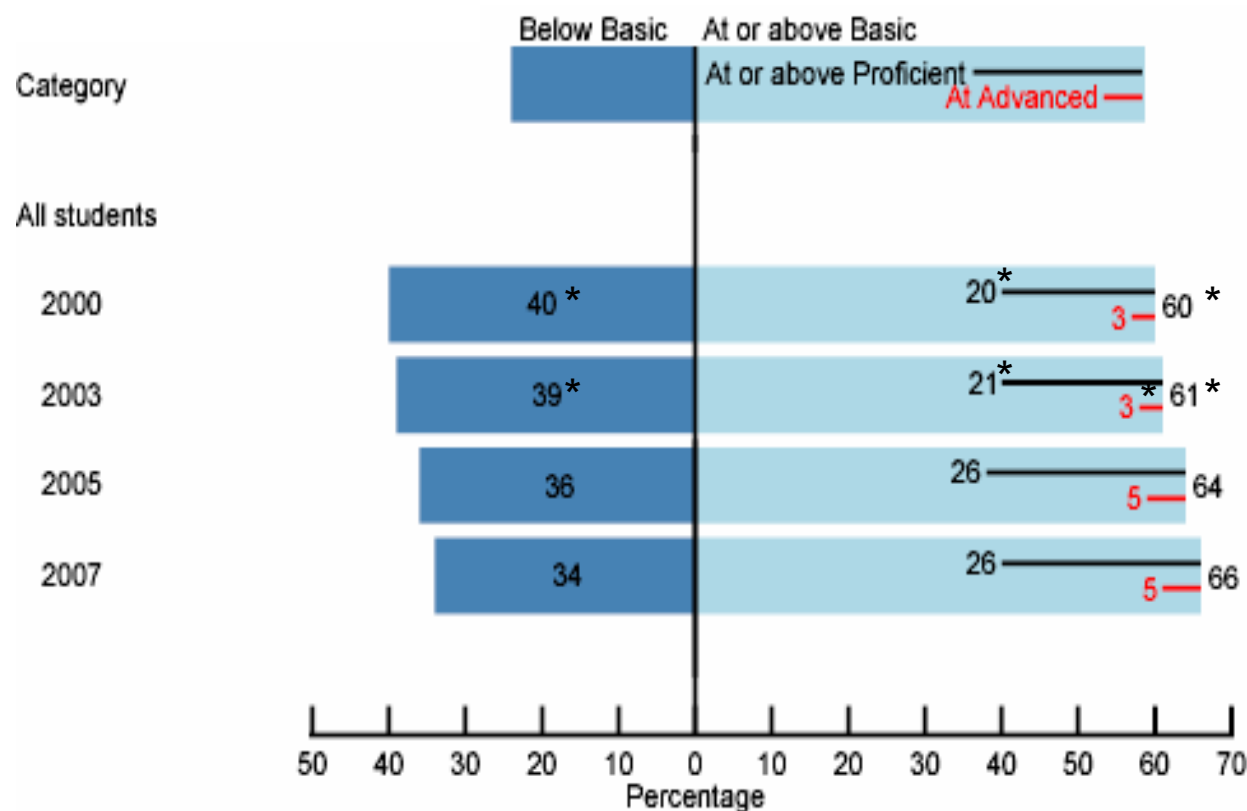


Scale 0-500

Grade 8 Mathematics

Achievement Levels

Arizona Grade 8 students showed a significant upward shift in all proficiency levels since 2003!



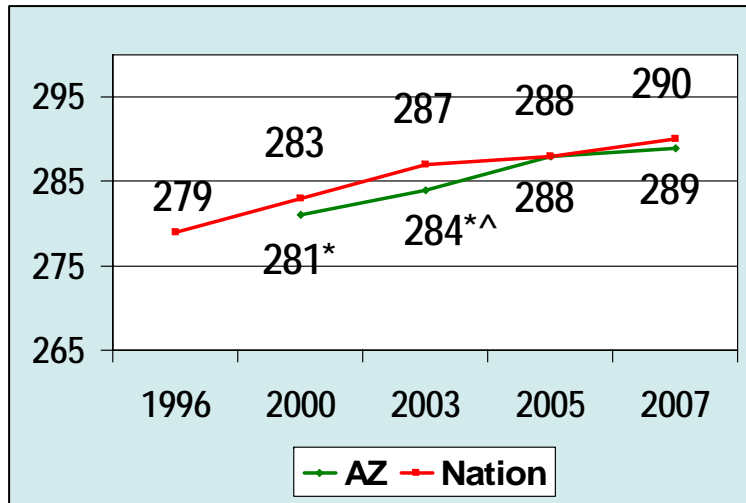
^ Indicates significantly different from the Nation

* Indicates significantly different from AZ 2007

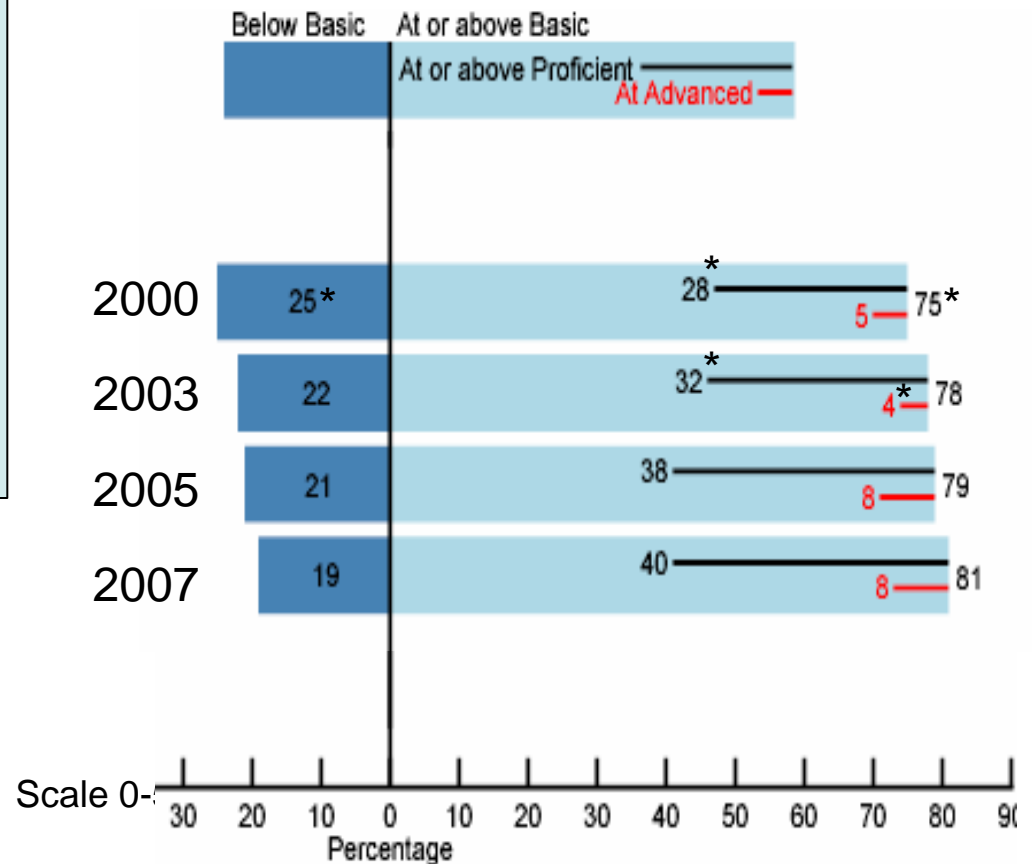
Scale 0-500

Grade 8 Mathematics - White

Arizona White students scored significantly higher than 2003 and relatively the same as the national average. They showed a significantly higher percentage of students in the *At or Above Basic* and *At or Above Proficient* achievement levels from that same year.

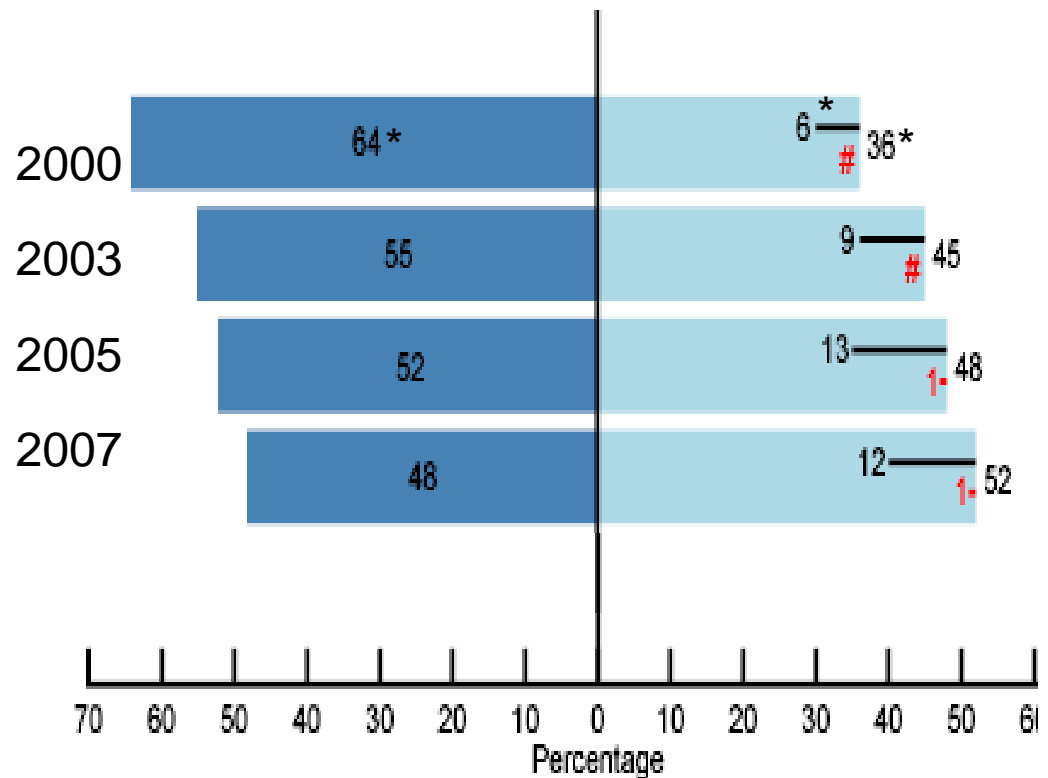
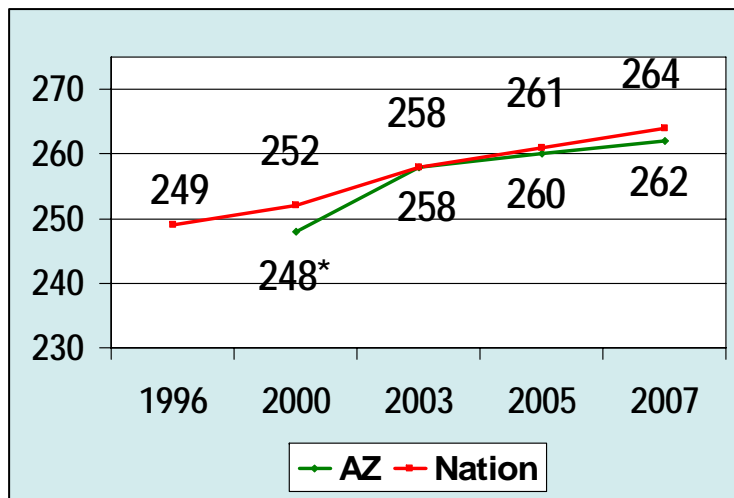


^ Indicates significantly different from the Nation
 * Indicates significantly different from AZ 2007



Grade 8 Mathematics - Hispanic

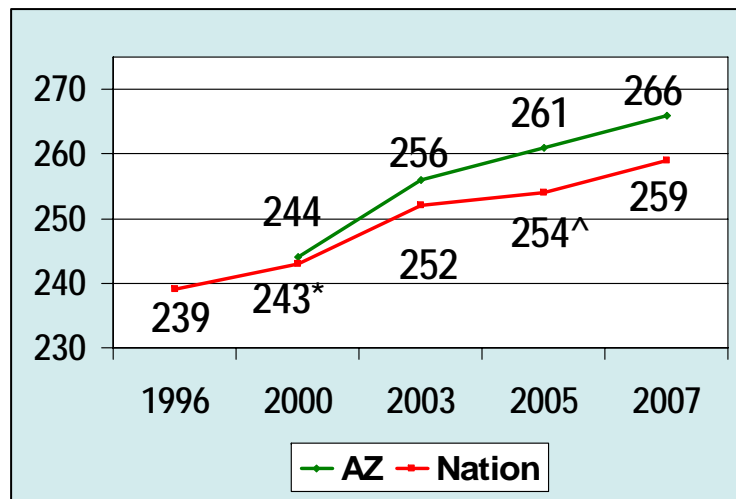
Arizona Hispanic students scored significantly higher than in 2000 and relatively the same as the national average. They, also, showed a significant upward shift in the *Below Basic*, *At or Above Basic*, and *At or Above Proficient* achievement levels since 2000.



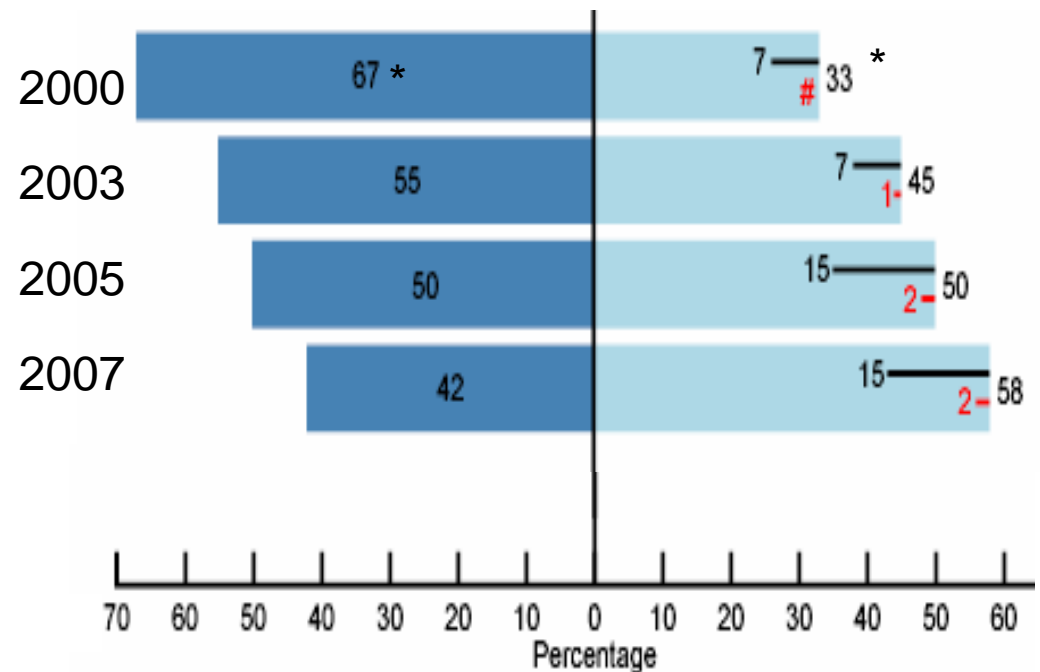
^ Indicates significantly different from the Nation
 * Indicates significantly different from AZ 2007

Grade 8 Mathematics – African American

Arizona African American students scored significantly higher than in 2000 and is relatively the same as the national average. They, also, showed a significant upward shift in the *Below Basic* and *At or Above Basic* achievement levels since 2000.

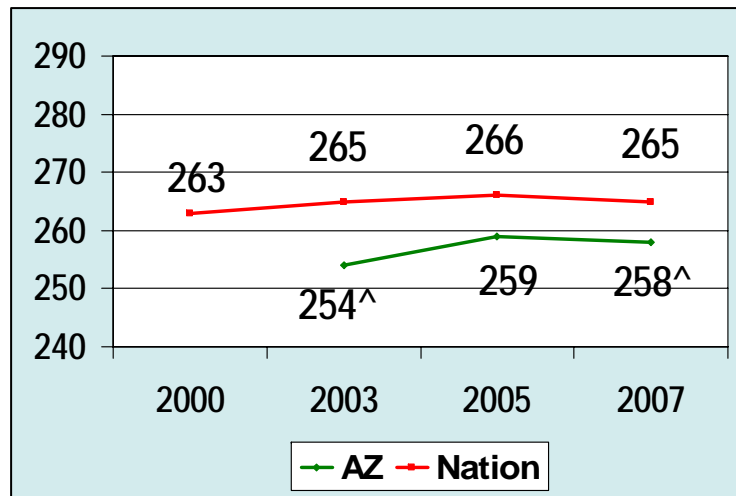


^ Indicates significantly different from the Nation
 * Indicates significantly different from AZ 2007



Grade 8 Mathematics – Native American

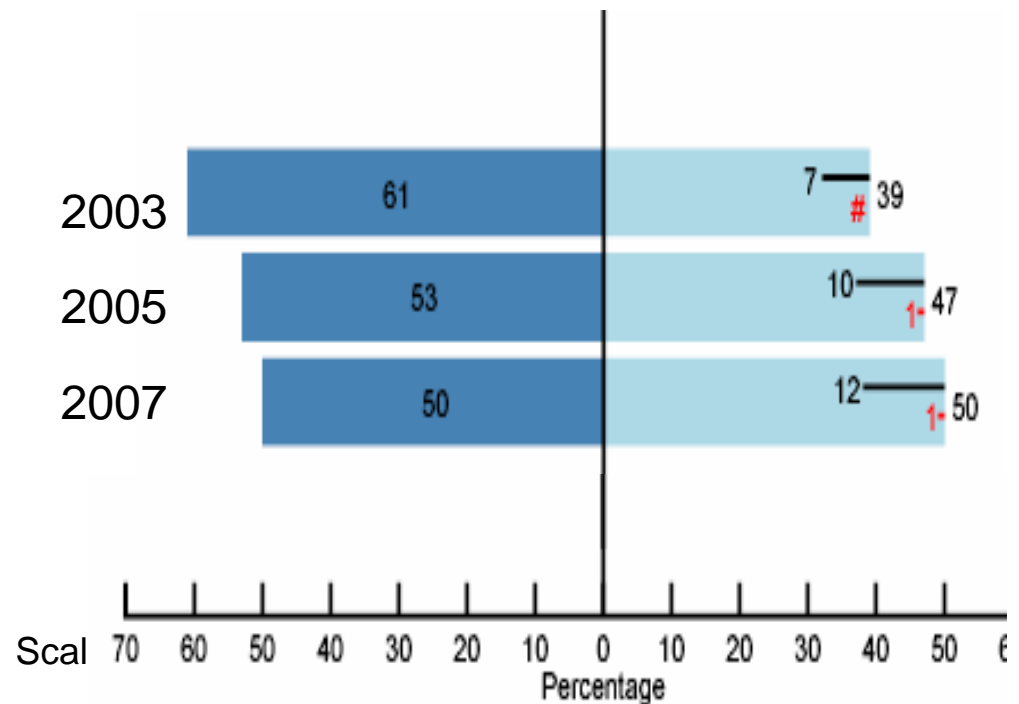
The percentage of Arizona Native American students in all achievement levels has remained relatively the same since 2003 and significantly lower than the national average.



^ Indicates significantly different from the Nation

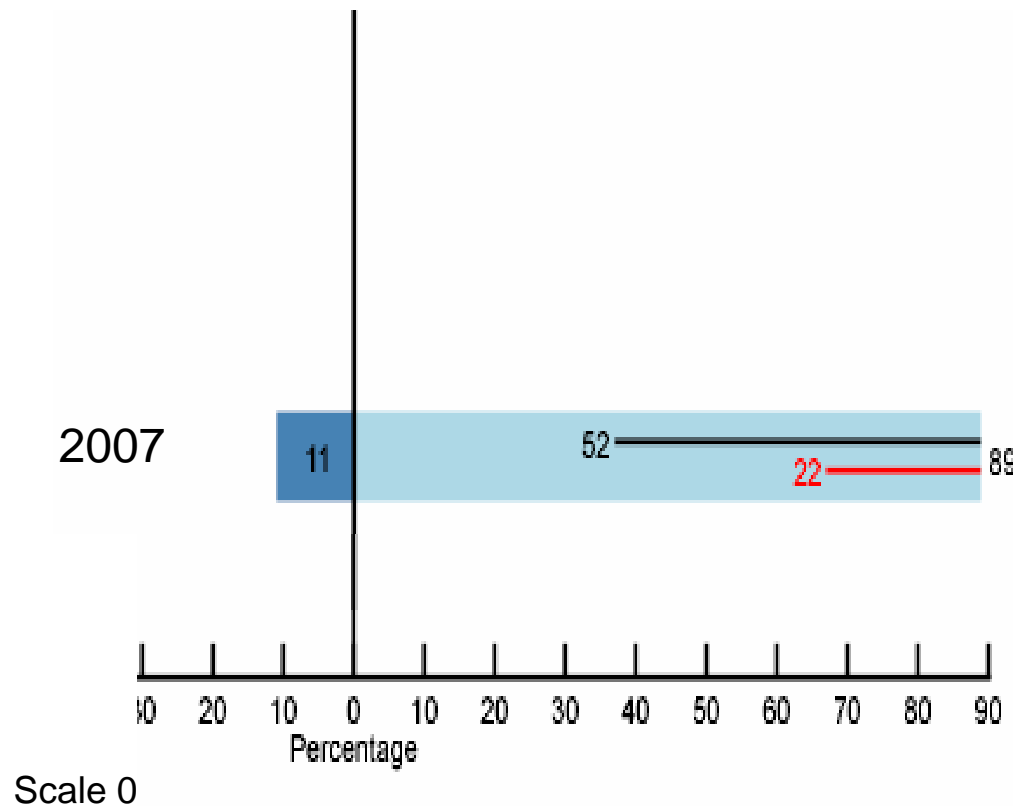
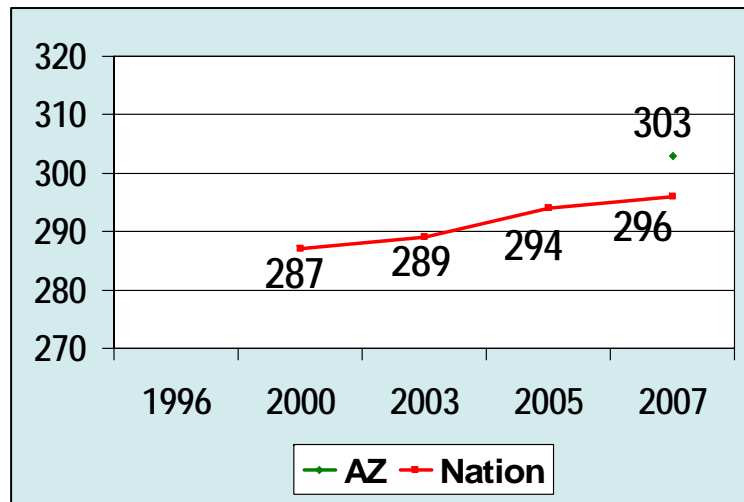
• Indicates significantly different from AZ 2007

Indicates “rounds to zero”



Grade 8 Mathematics - Asian

2007 was the first year reporting standards were met with NAEP for Arizona Asian/Pacific Island students.

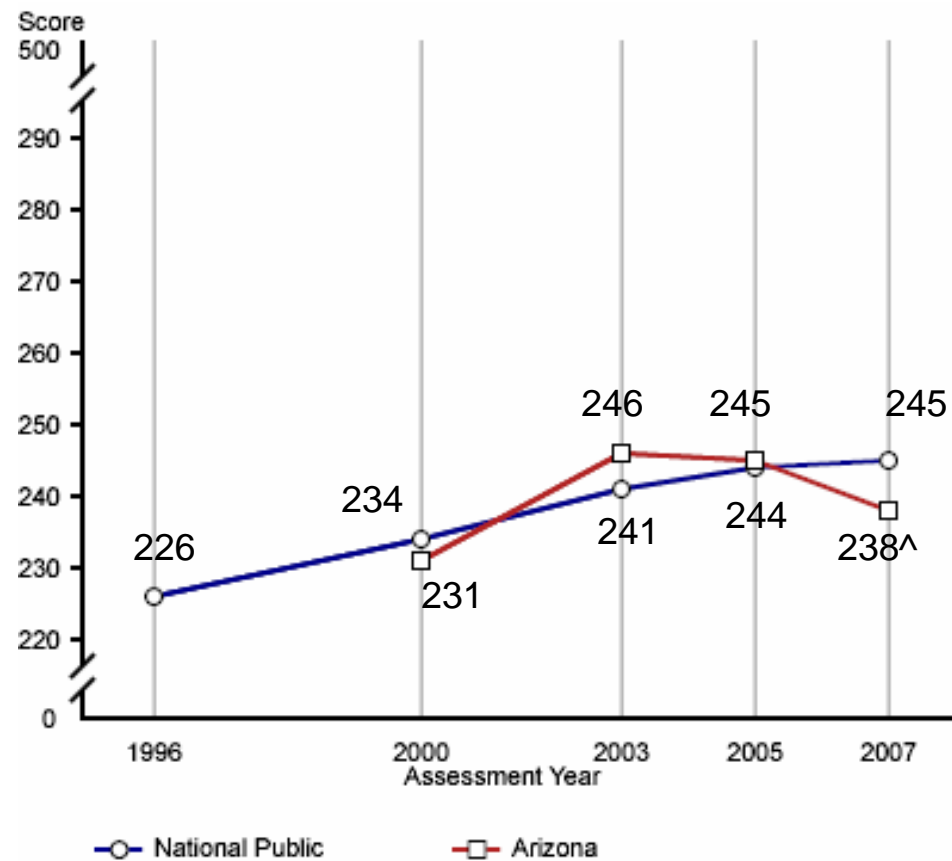


Grade 8 Mathematics - ELL

Achievement Levels

In 2007, Arizona ELL students scored significantly lower than the Nation.

^ Indicates significantly different from the Nation

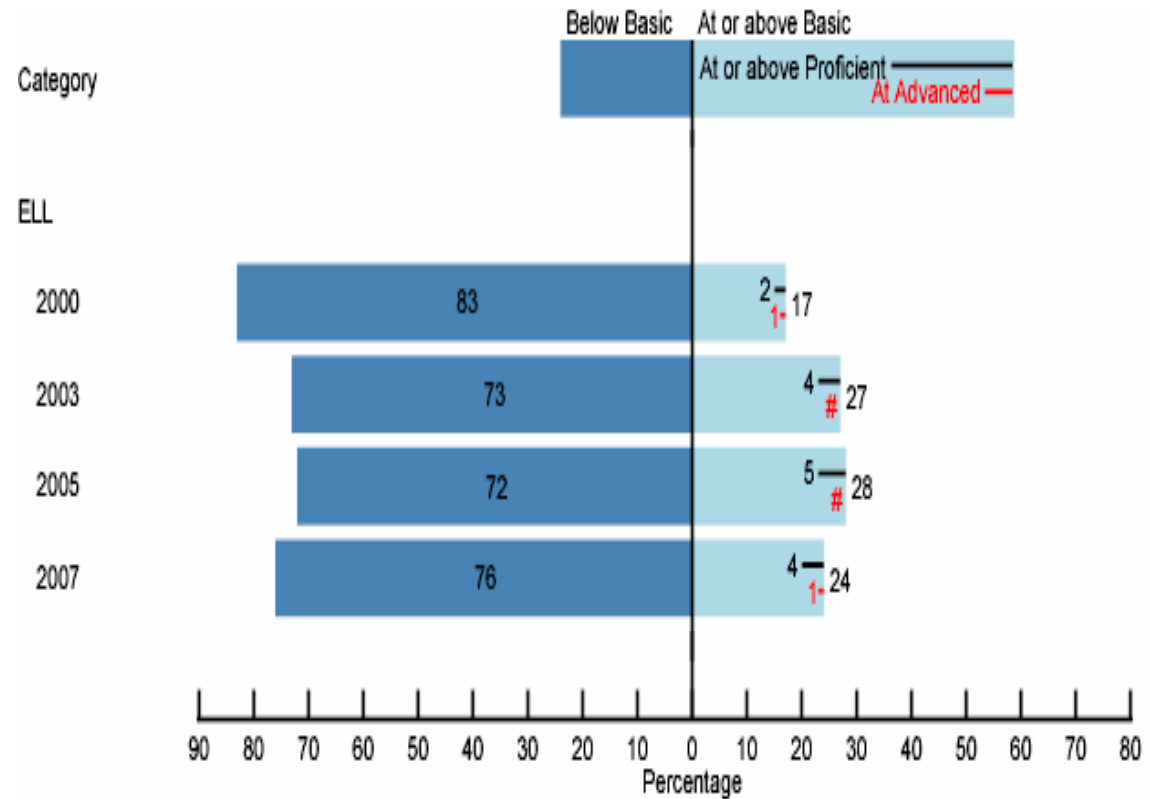


Scale 0-500

Grade 8 Mathematics - ELL

Achievement Levels

The achievement levels have remained relatively the same over the years for the Arizona ELL students.



Scale 0-500

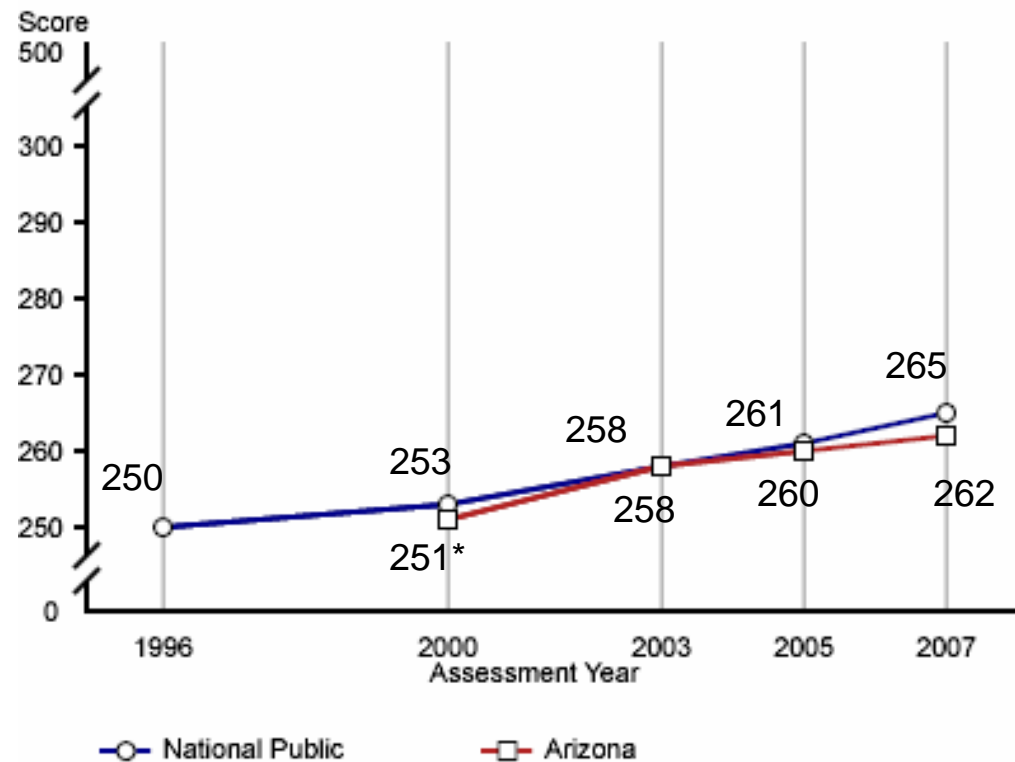
Grade 8 Mathematics – Low SES

Achievement Levels

Arizona students eligible for School Lunch Program score significantly higher than in 2000 and relatively the same as the nation across the years.

^ Indicates significantly different from the Nation

* Indicates significantly different from AZ 2007



Scale 0-500

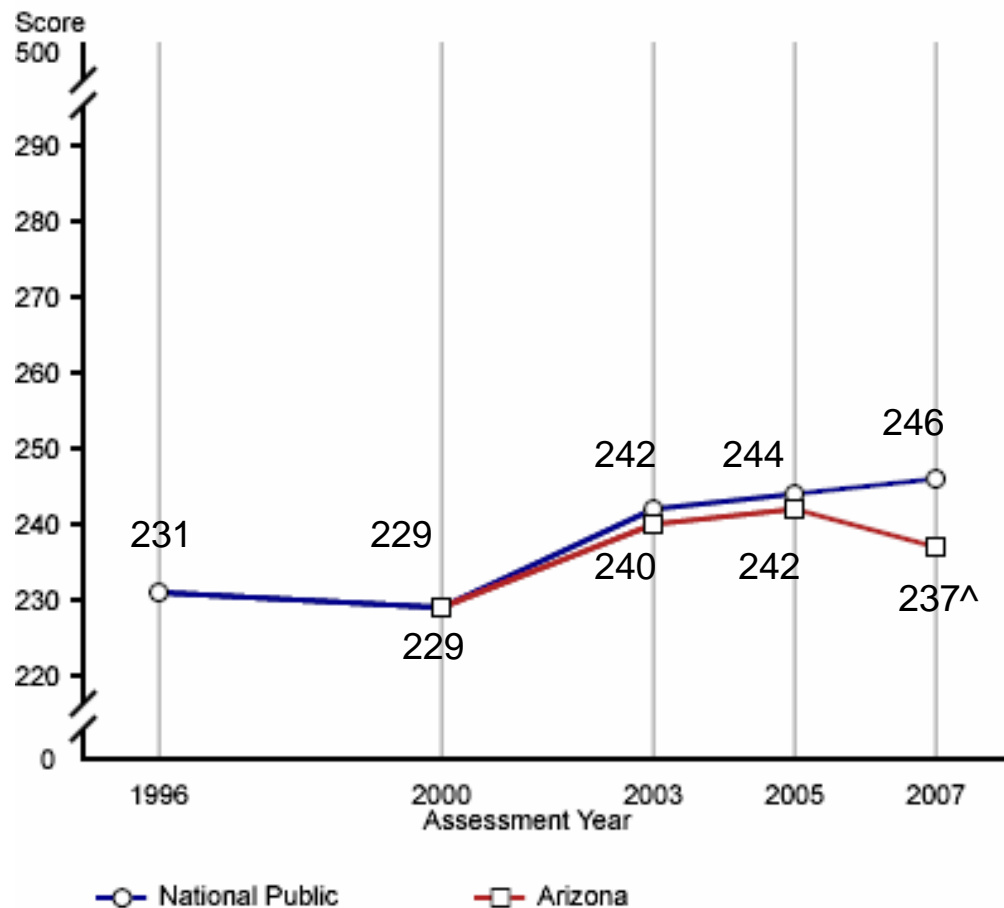
Grade 8 Mathematics – Students with Disabilities

Average Scale Score

Arizona Grade 8 students with disabilities scored significantly lower than the national average for their peers but relatively the same across years.

^ Indicates significantly different from the Nation

* Indicates significantly different from AZ 2007



Scale 0-500